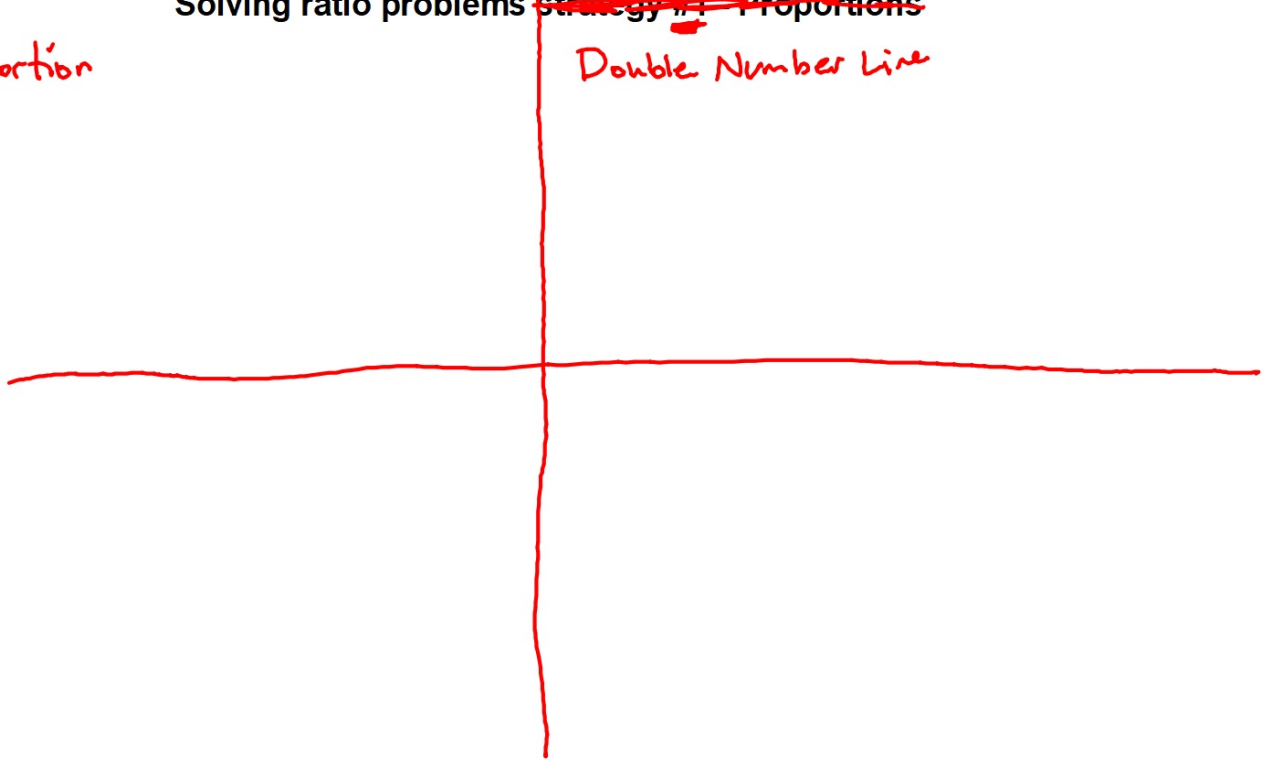


Solving ratio problems ~~strategy #1~~ ~~Proportions~~

+ 4 Strategies

Proportion

Double Number Line



Connect

A snack mix recipe uses a ratio of five scoops of granola for every three scoops of candy. How many scoops will he need to make six batches?

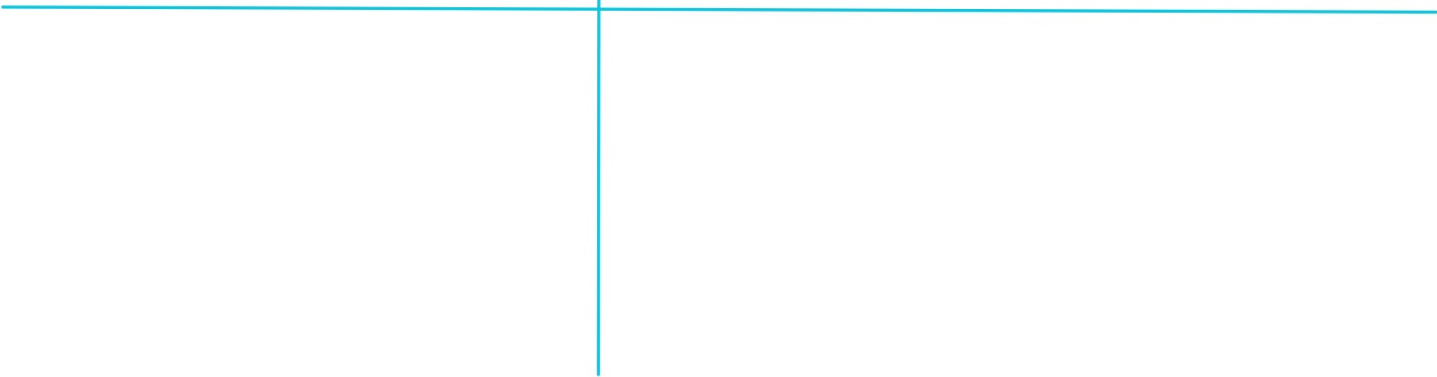
I do The ratio of boys to girls in a class is 3:2. If there are 12 boys, how many girls are there?

Proportion

$$\begin{array}{r} \text{b} \quad 3 \\ \hline \text{g} \quad 2 \end{array} = \frac{12}{\quad}$$

(Handwritten annotations: A blue arrow from 3 to 12 is labeled 'x4'. A blue arrow from 2 to 8 is labeled 'x4'. The number 8 is written below the denominator line.)

Double Number Line



I do At discount books, 4 paperback books cost \$14. How much would seven books cost?

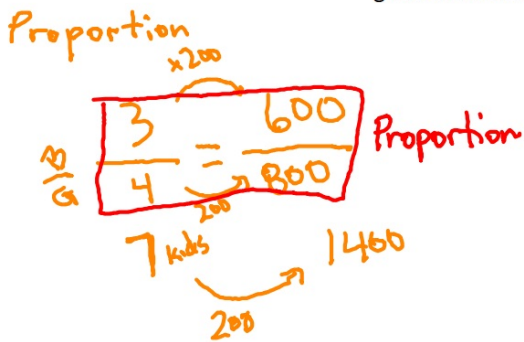
Proportion

$$\frac{4}{14} = \frac{7}{24.50}$$

(Handwritten annotations: An orange arrow labeled "x1.75" points from 4 to 7. Another orange arrow labeled "x1.75" points from 14 to 24.50. A checkmark is next to 24.50.)

We do

The total number of students enrolled at Berkmar Middle School is 1,400 students. If the ratio of boys to girls is also 3 to 4 for the school, how many students are boys and how many students are girls at Berkmar Middle School?



You do together on whiteboard

The ratio of cats to dogs at the pet store is 6:5. If there are 55 pets at the store, how many are cats?

DOUBLE NUMBER LINE

You do alone on index card

I found a sale on pencils: 20 for \$2. I need to buy 110 pencils. How much will it cost?

DOUBLE NUMBER LINE